

# Intro: Url Endpoints used

App menu tree:

Main menu - <https://mylinks.aghayev.com/api>

Sub menu: <https://mylinks.aghayev.com/api/subcategories>

Menu page: <https://mylinks.aghayev.com/api/weblinks/{slug}>

# Intro: App folder structure

App router:

app/

Navbar.js – ISR, fetch { revalidate: 10 }

weblinks/[slug]/page.tsx –

SSG – generateStaticParams

protected/\*

services/\*

lib/\*

# Navbar.js – ISR

ISR – Incremental Static Regeneration.

Used if page content depends on external data

App Router:

```
const res = await fetch('https://.../posts',{ next: { revalidate: 10 } })
```

Pages Router:

```
export async function getStaticProps() {  
  const res = await fetch('https://.../posts')  
  const posts = await res.json()  
  return { props: { posts }, revalidate: 10 }  
}
```

npm run build

Result: If client-side data fetch - static site data stale for 10 seconds, then re-fetches.

If SSR and revalidate used - data re-fetched every 10 seconds

# weblinks/[slug]/page.tsx - SSG

## SSG – Static Site Generation

### Used for statically generate routes

App router, app/weblinks/[slug]/page.tsx:

```
export async function generateStaticParams() {  
  const res = await fetch('https://.../subcategories')  
  const categories = await res.json()  
  return categories.map(({ slug }) => ({  
    slug: slug,  
  })))
```

Pages router:

getStaticPaths()

npm run build

● /weblinks/[slug]	182 B	87.4 kB
├ /weblinks/general		
├ /weblinks/finance		
├ /weblinks/my-livejournal		
└ [+13 more paths]		

● (SSG) prerendered as static HTML (uses `getStaticProps`)

# App Router file conversion loading.js

```
app/weblinks/[slug]/loading.tsx
export default function Loading() {
  return <p>Loading...</p>
}
```

# Capacitor Installation, page 1

package.json

```
"static": "next build && next export"
```

next.config.mjs

```
const nextConfig = { output: 'export' }
```

```
export default nextConfig
```

capacitor.config.js

```
... "webDir": "out"
```

# Capacitor installation, page 2

Installation:

```
npm i @capacitor/core
```

```
npm i -D @capacitor/cli
```

```
npx cap init
```

```
npm i @capacitor/android @capacitor/ios
```

Build time:

```
npm run build
```

```
npx cap add ios (npx cap add android)
```

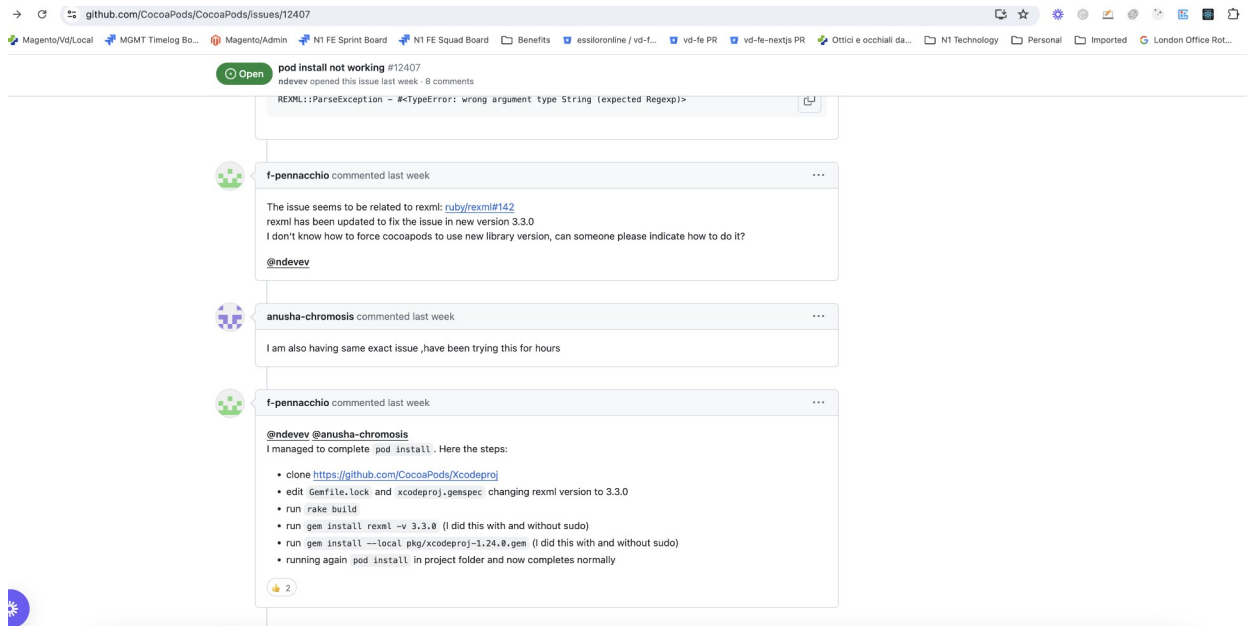
```
npx cap sync ( next.js codebase translation to ios/ or android/ codebase) – if fails for ios/ - see Capacitor Installation 3
```

```
npx cap open ios (or npx cap open android – opens Xcode IDE or Android Studio)
```

# Capacitor Installation, page 3

For ios/ on some Macs build fails

To fix: follow this: [Xcodeproj CocoaPods](https://github.com/CocoaPods/CocoaPods/issues/12407)



The screenshot shows a GitHub issue titled "pod install not working #12407" on the CocoaPods repository. The issue was opened by ndevex and has 8 comments. The error message is: `REXML::ParseException - #<TypeError: wrong argument type String (expected Regexp)>`. The issue is related to the `rxml` library, which has been updated to version 3.3.0. The user is asking for instructions on how to force CocoaPods to use the new library version. The comments section shows three replies from other users, including a detailed solution from @ndevev to @anusha-chromosis.

**Issue Title:** pod install not working #12407

**Error Message:** `REXML::ParseException - #<TypeError: wrong argument type String (expected Regexp)>`

**Comments:**

- f-pennacchio** commented last week: The issue seems to be related to rxml: [ruby/rxml#142](#). rxml has been updated to fix the issue in new version 3.3.0. I don't know how to force cocoapods to use new library version, can someone please indicate how to do it? @ndevev
- anusha-chromosis** commented last week: I am also having same exact issue ,have been trying this for hours
- f-pennacchio** commented last week: @ndevev @anusha-chromosis I managed to complete pod install. Here the steps:
  - clone <https://github.com/CocoaPods/Xcodeproj>
  - edit Gemfile, lock and Xcodeproj.gemspec: changing rxml version to 3.3.0
  - run rake build
  - run gem install rxml --v 3.3.0 (I did this with and without sudo)
  - run gem install --local pkg/xcodeproj-1.24.8.gem (I did this with and without sudo)
  - running again pod install in project folder and now completes normally



# Deploying to iOS, page 1

App > Imran Aghayev's iPhone Build Failed | Today at 16:20

App 1 issue

Signing for "App" requires a development team. Select a development team in the Signing & Capabilities editor.

Xcode File Edit View Find Navigate Editor Product Debug Integrate Window Help

App develop App > Any iOS Device (arm64) Build Failed | Today at 16:20

App

Signing & Capabilities

PROJECT

App

TARGETS

App

Signing

Automatically manage signing

Team

Bundle Identifier

Imran Aghayev (Personal Team)

Add an Account...

Provisioning Profile

Xcode Managed Profile

Signing Certificate

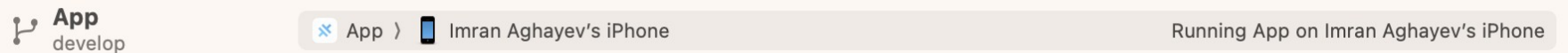
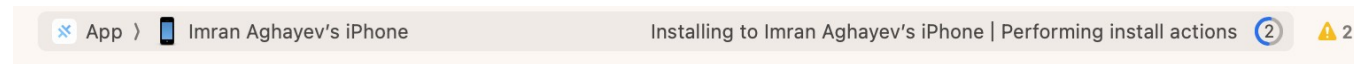
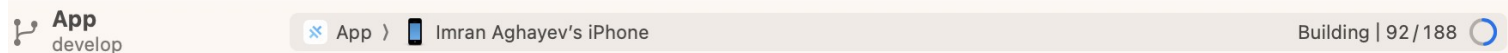
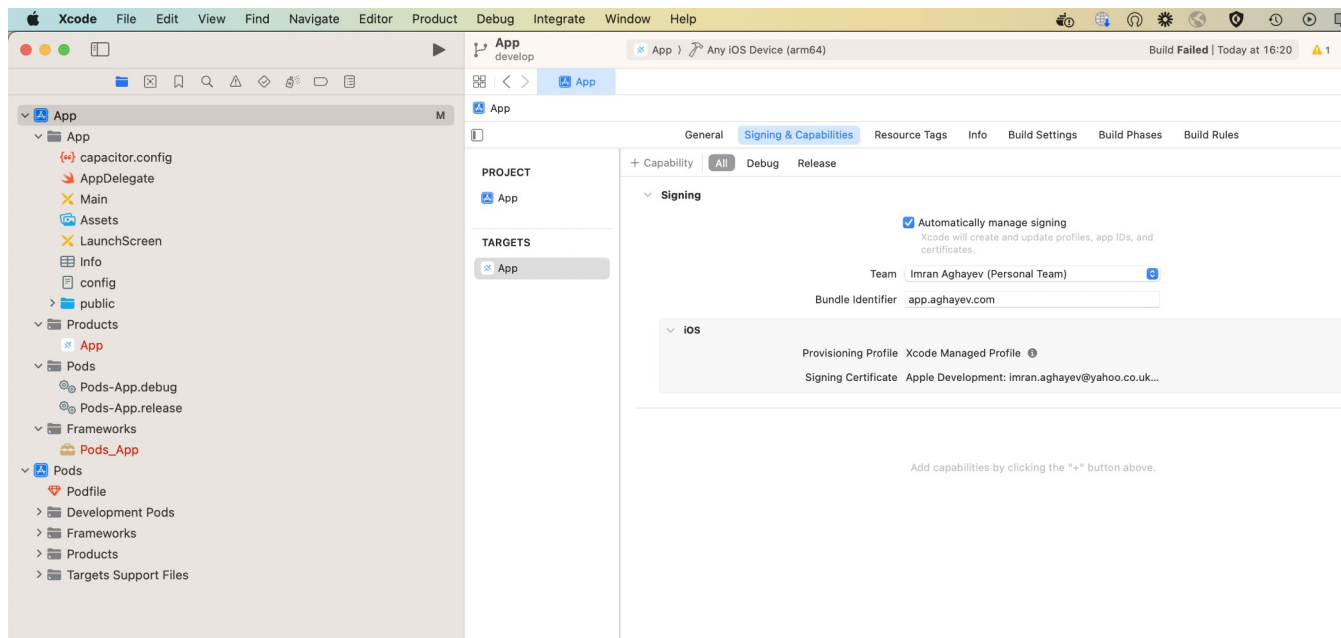
Apple Development

Status

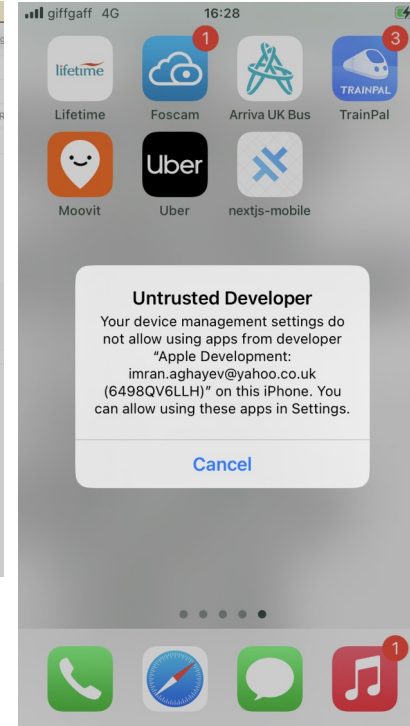
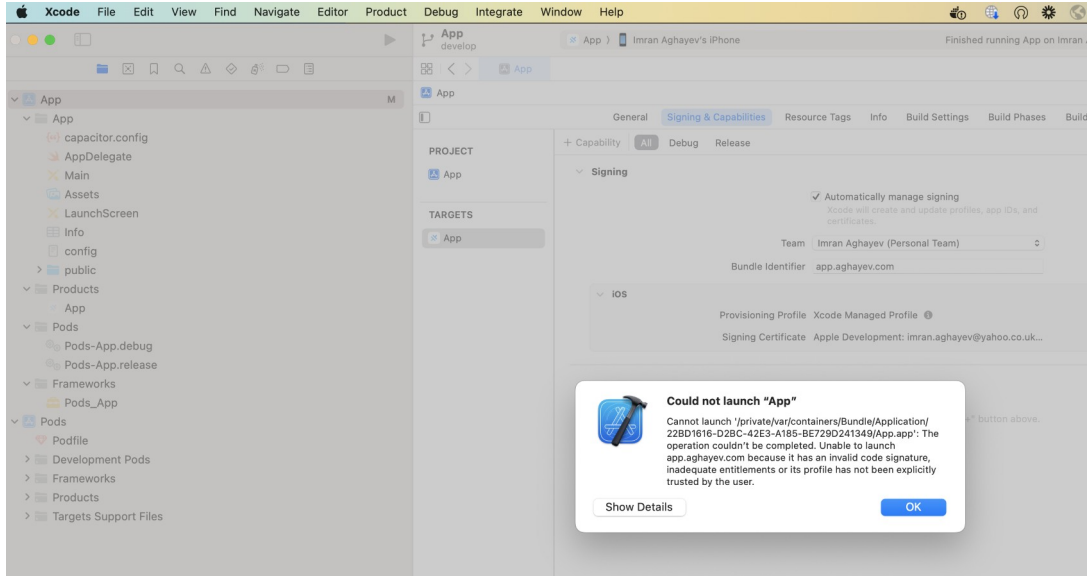
Signing for "App" requires a development team. Select a development team in the Signing & Capabilities editor.

Add capabilities by clicking the "+" button above.

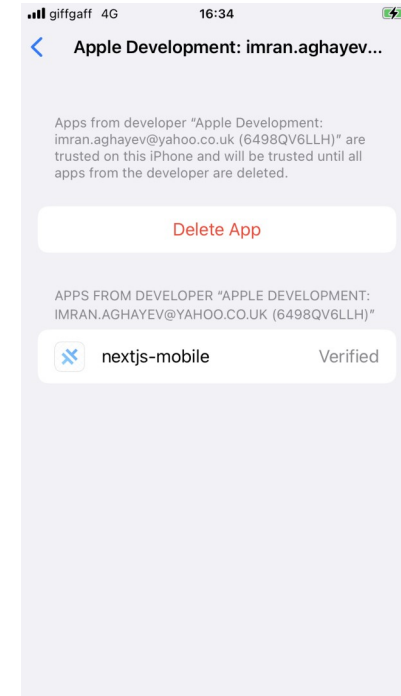
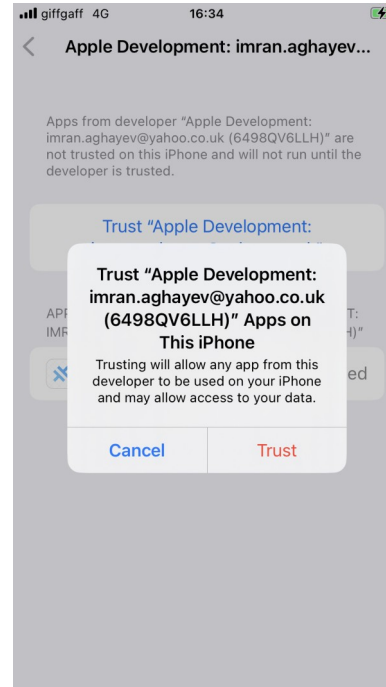
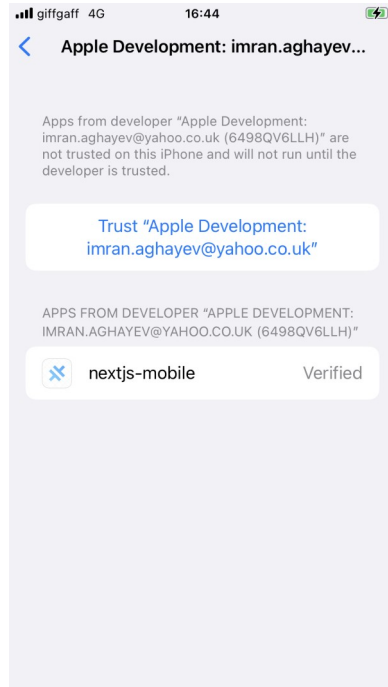
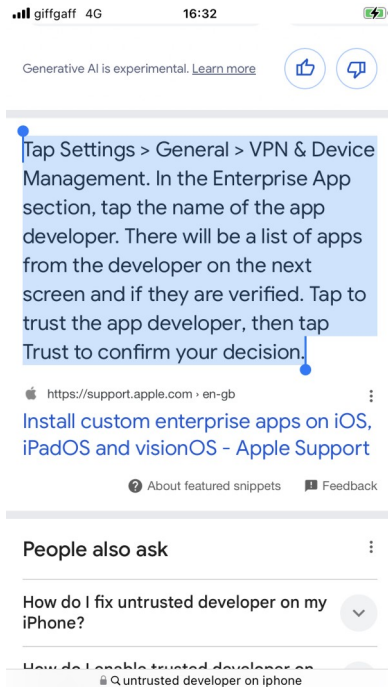
# Deploying to iOS, page 2



# Deploying to iOS, page 3



# Deploying to iOS, page 4



# Resources:

1. [Next.Js Mobile App in minutes with Capacitor](#)
2. [Capacitor Installation Instruction](#)
3. [Adding Signing Capabilities to your IOS App](#)
4. [Next.Js SSG and ISR](#)
5. [Next.Js App Router Migration](#)